

Program EVALPLOT  
(Version 2017-1)

by

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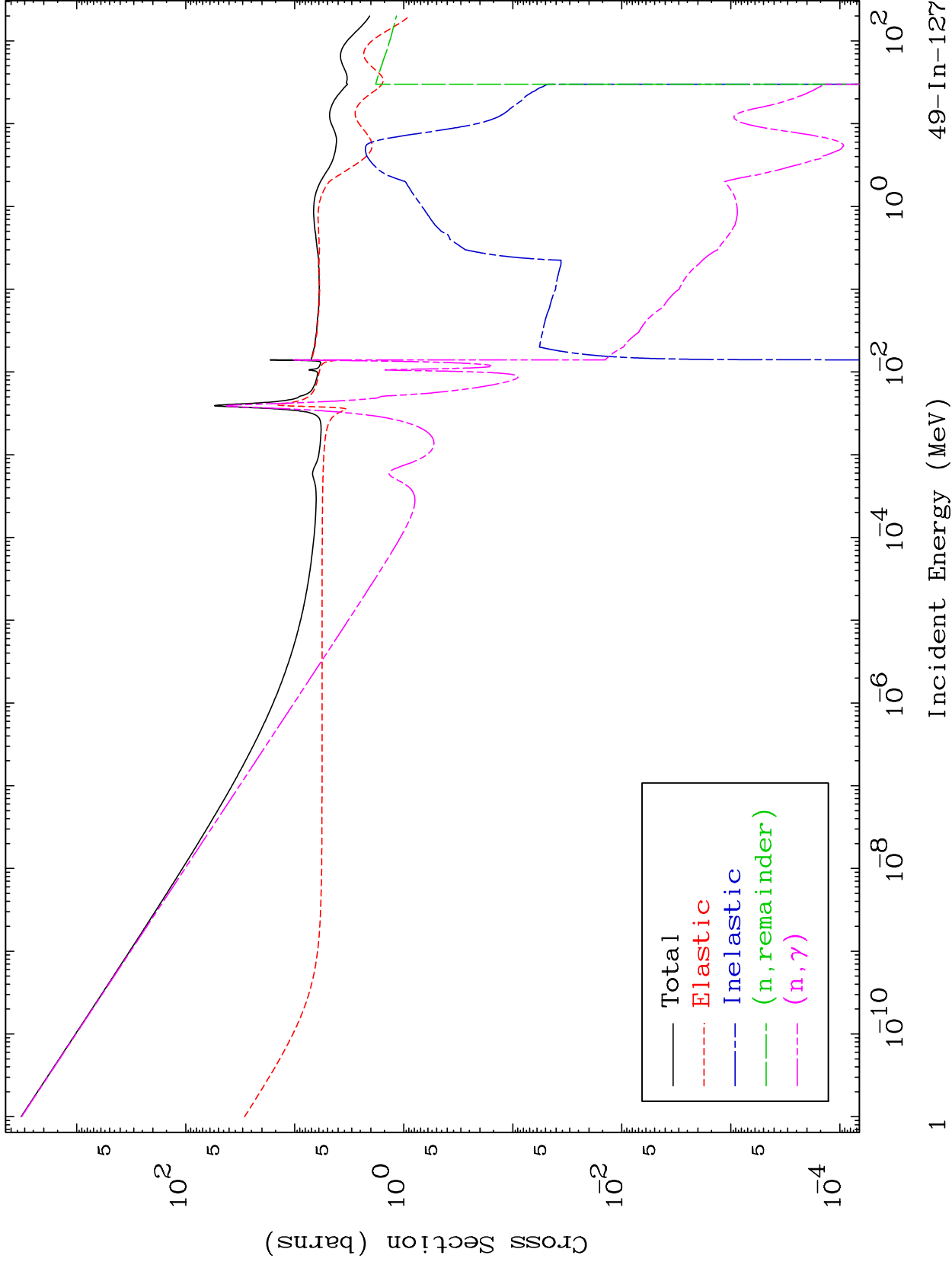
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4969

Major  
293 Kelvin Cross Sections

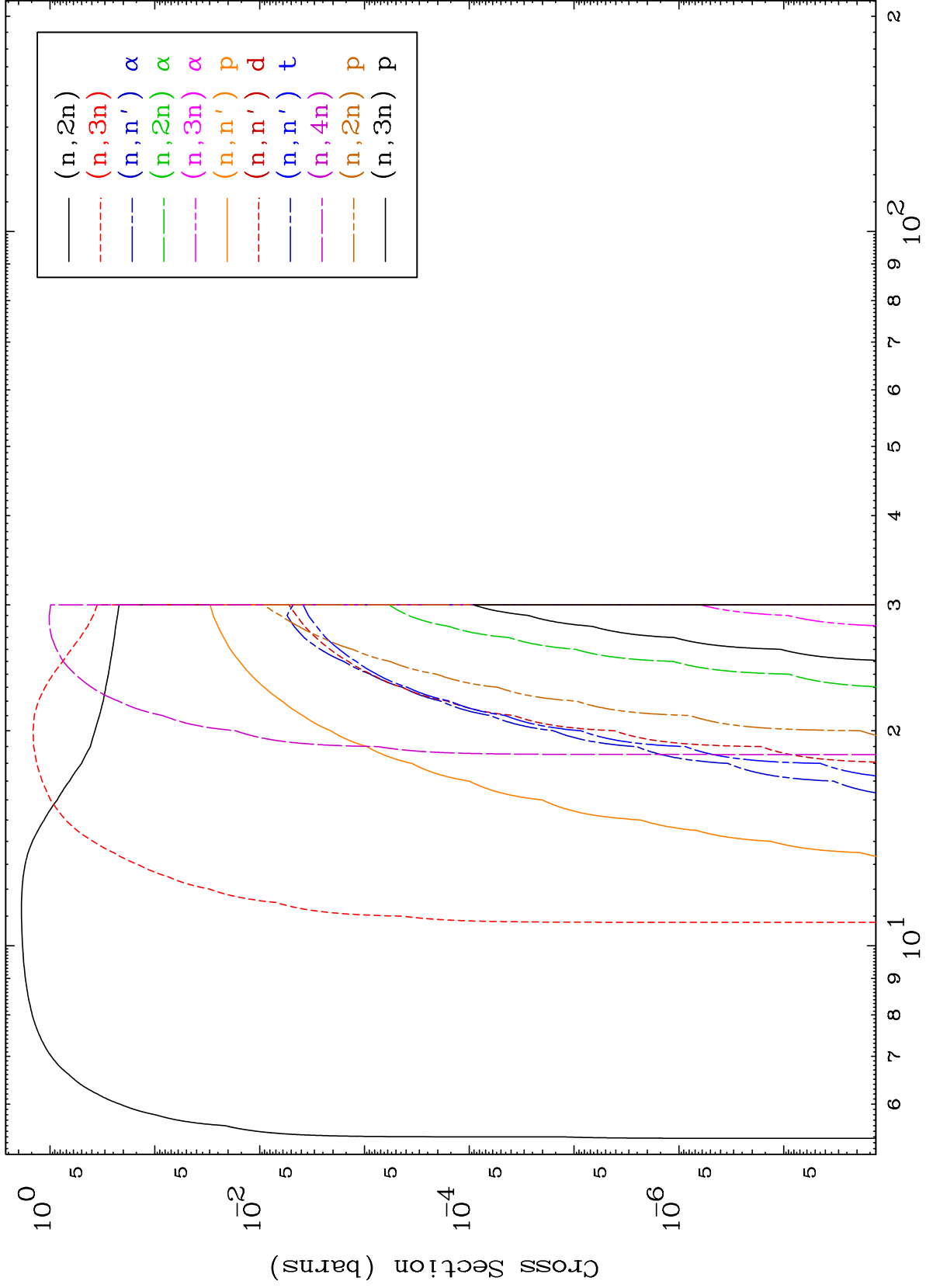
49-In-127

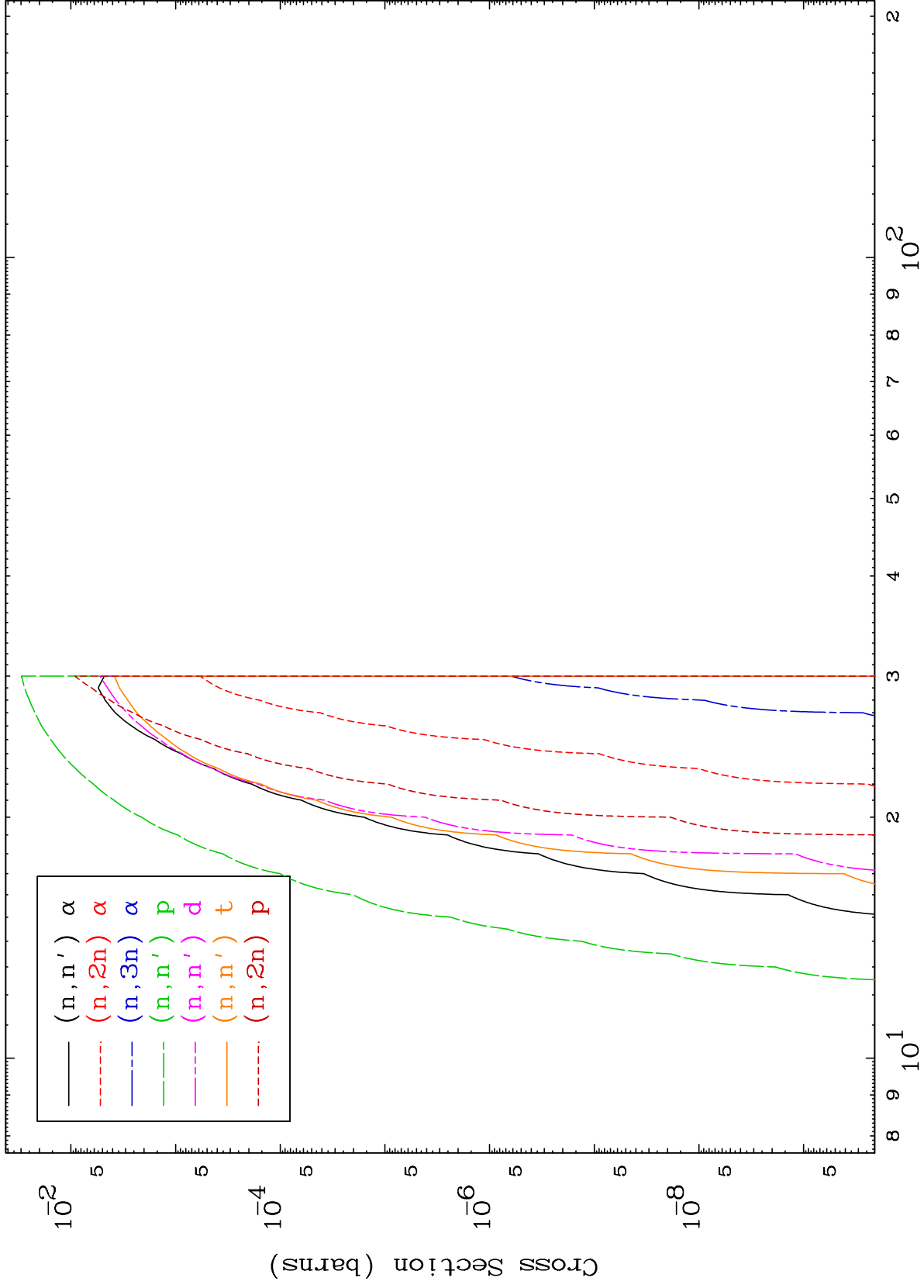


MAT 4969

Neutron Production  
293 Kelvin Cross Sections

49-In-127

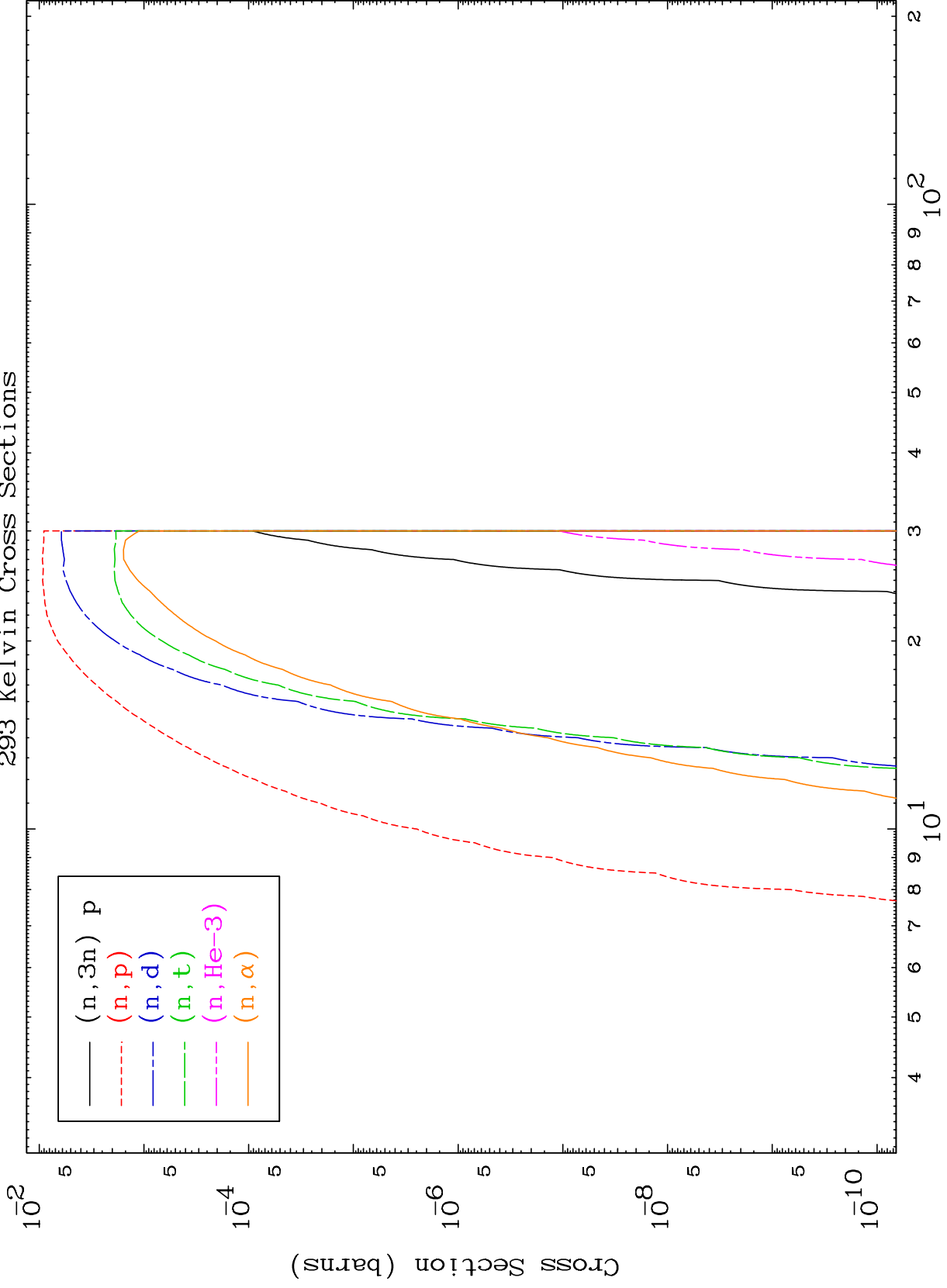


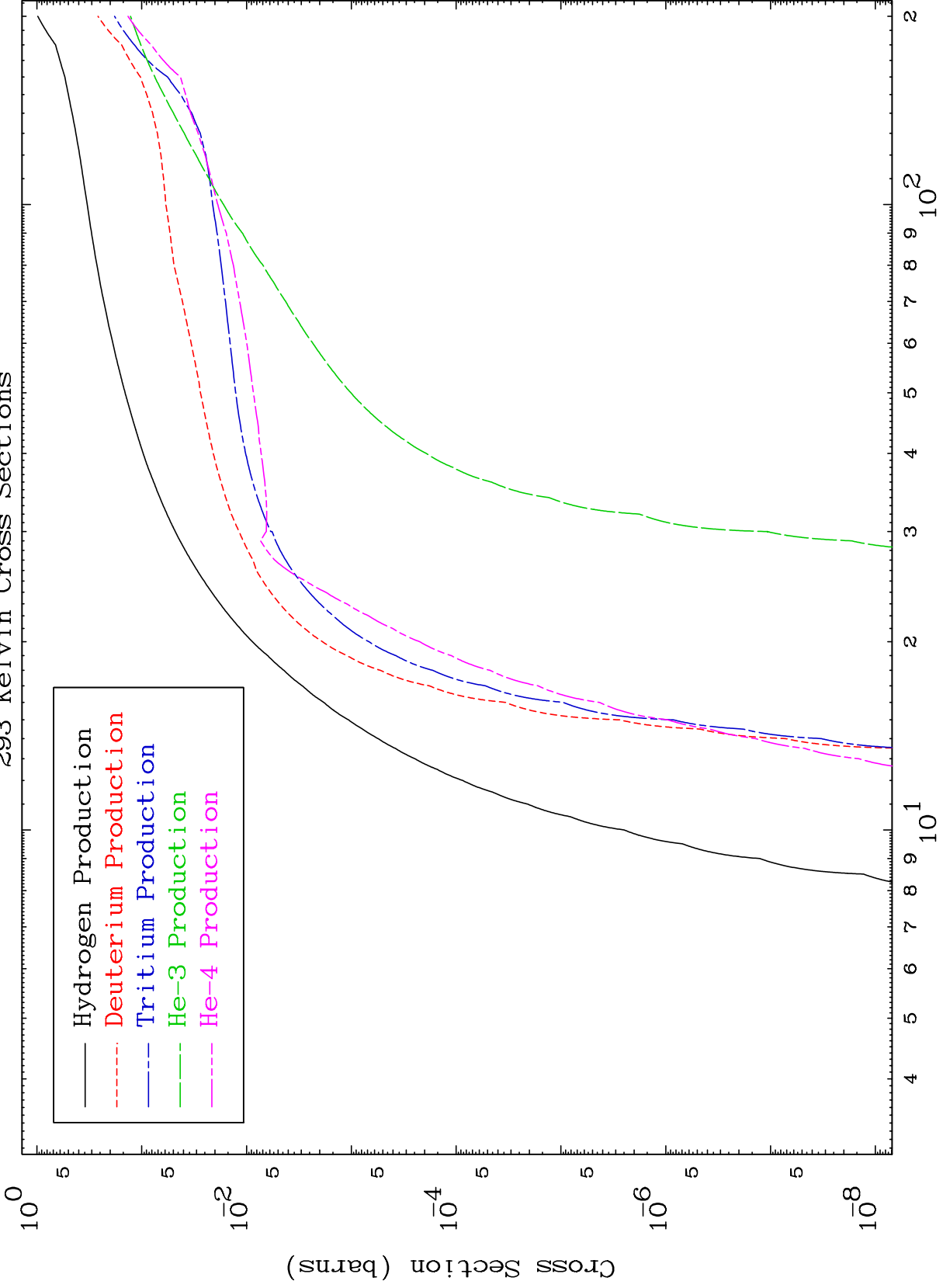


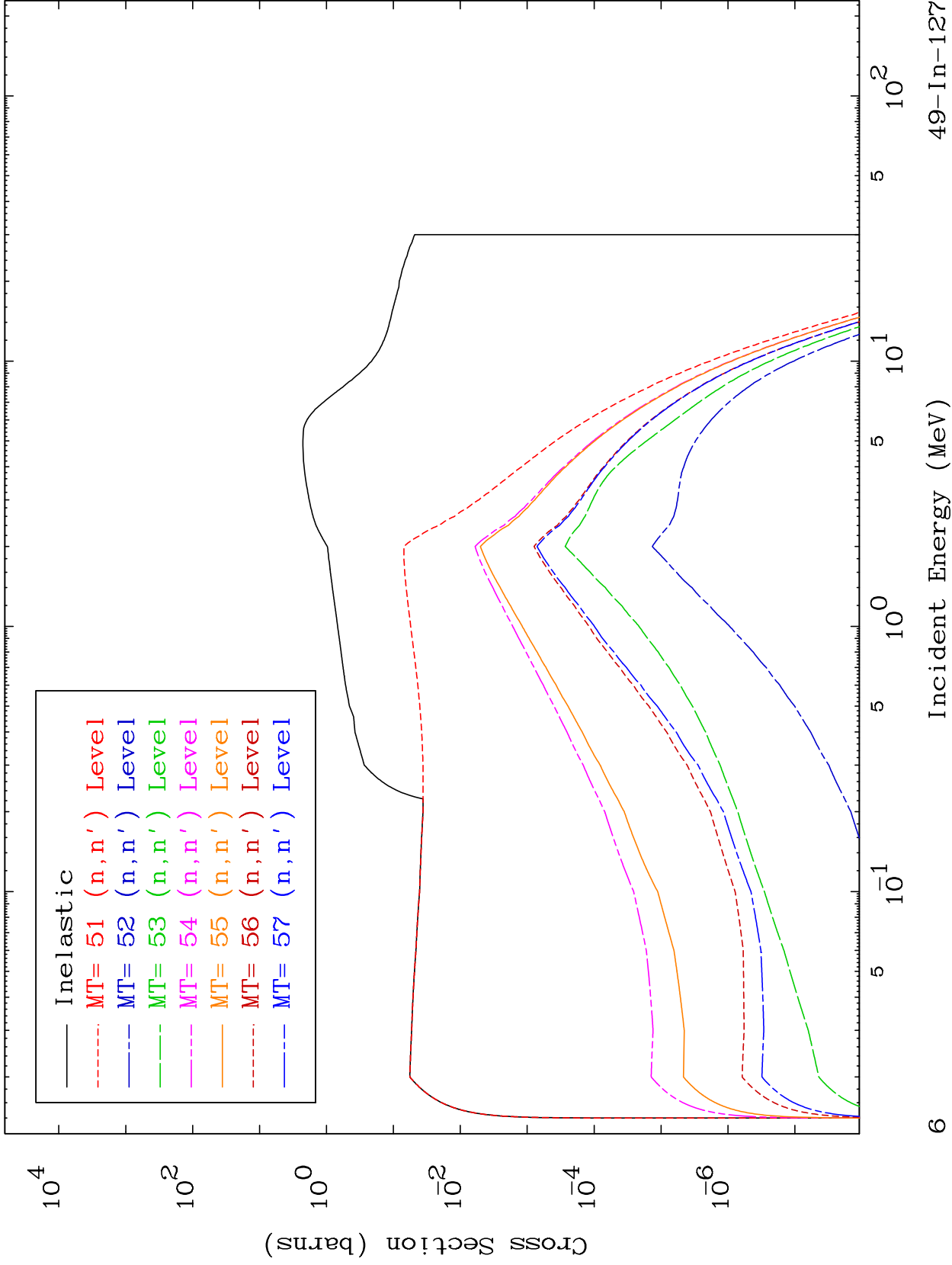
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Charged Particle  
293 Kelvin Cross Sections

49-In-127





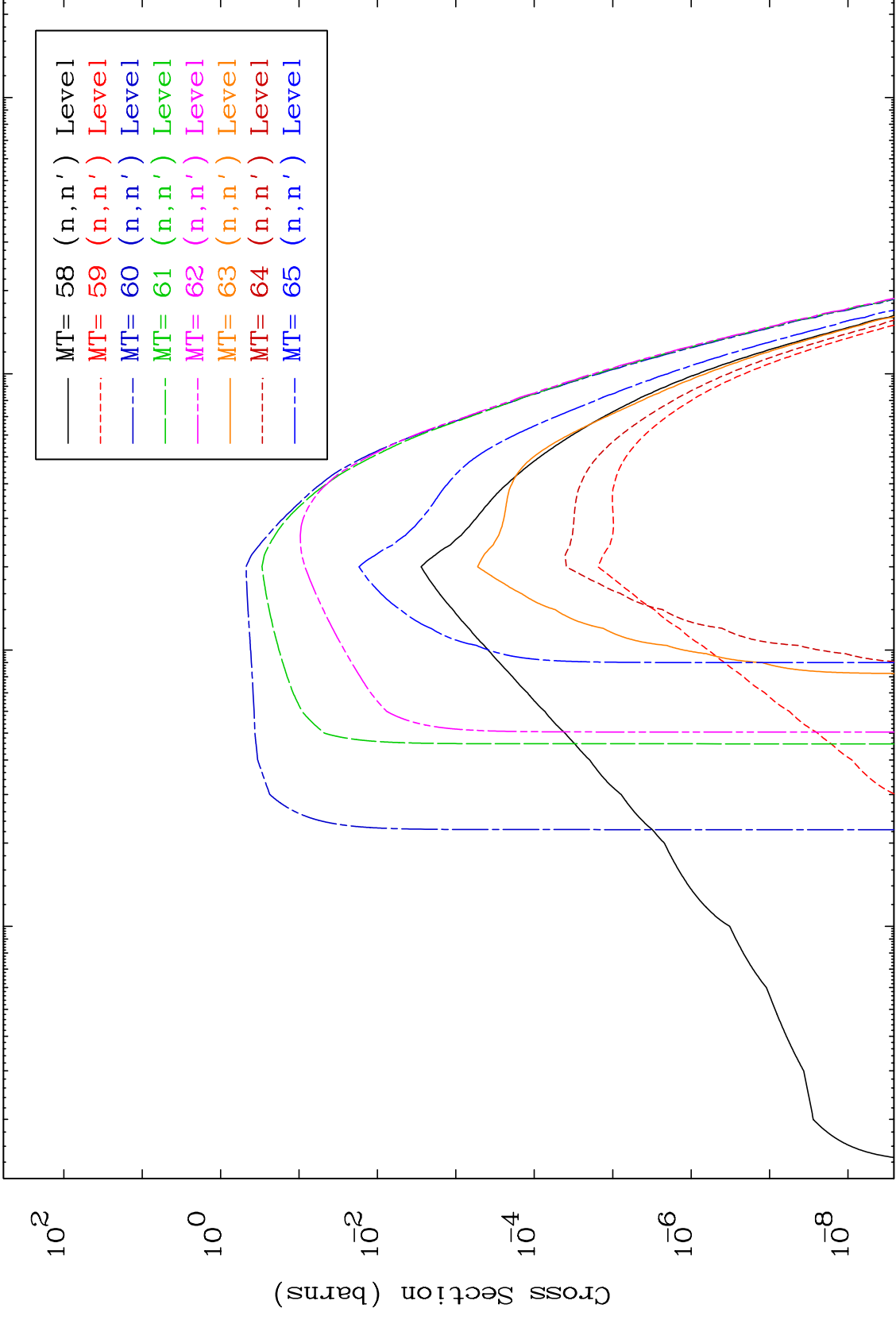


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(n,n') Level

49-In-127

293 Kelvin Cross Sections



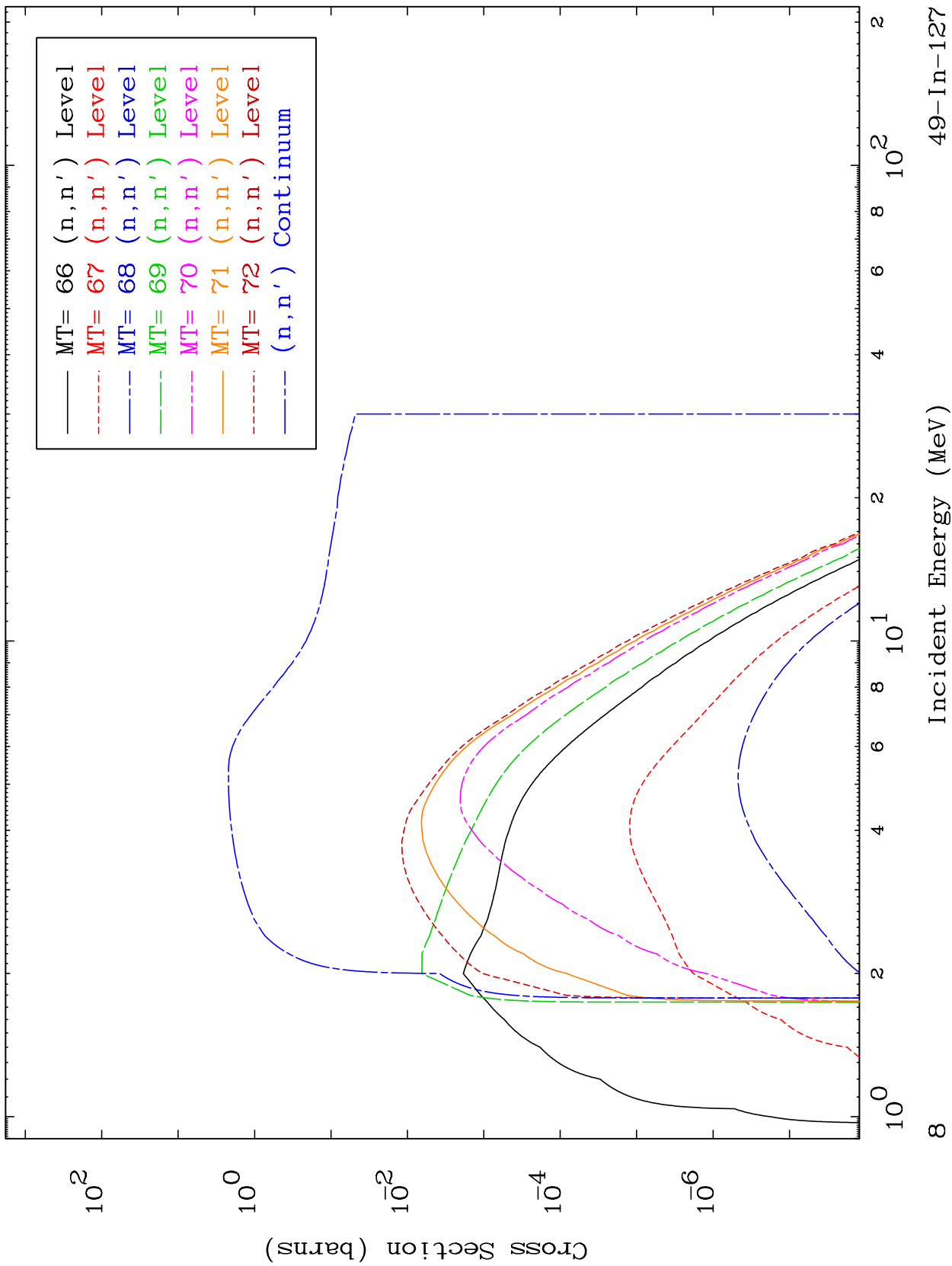


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(n,n') Level

49-In-127

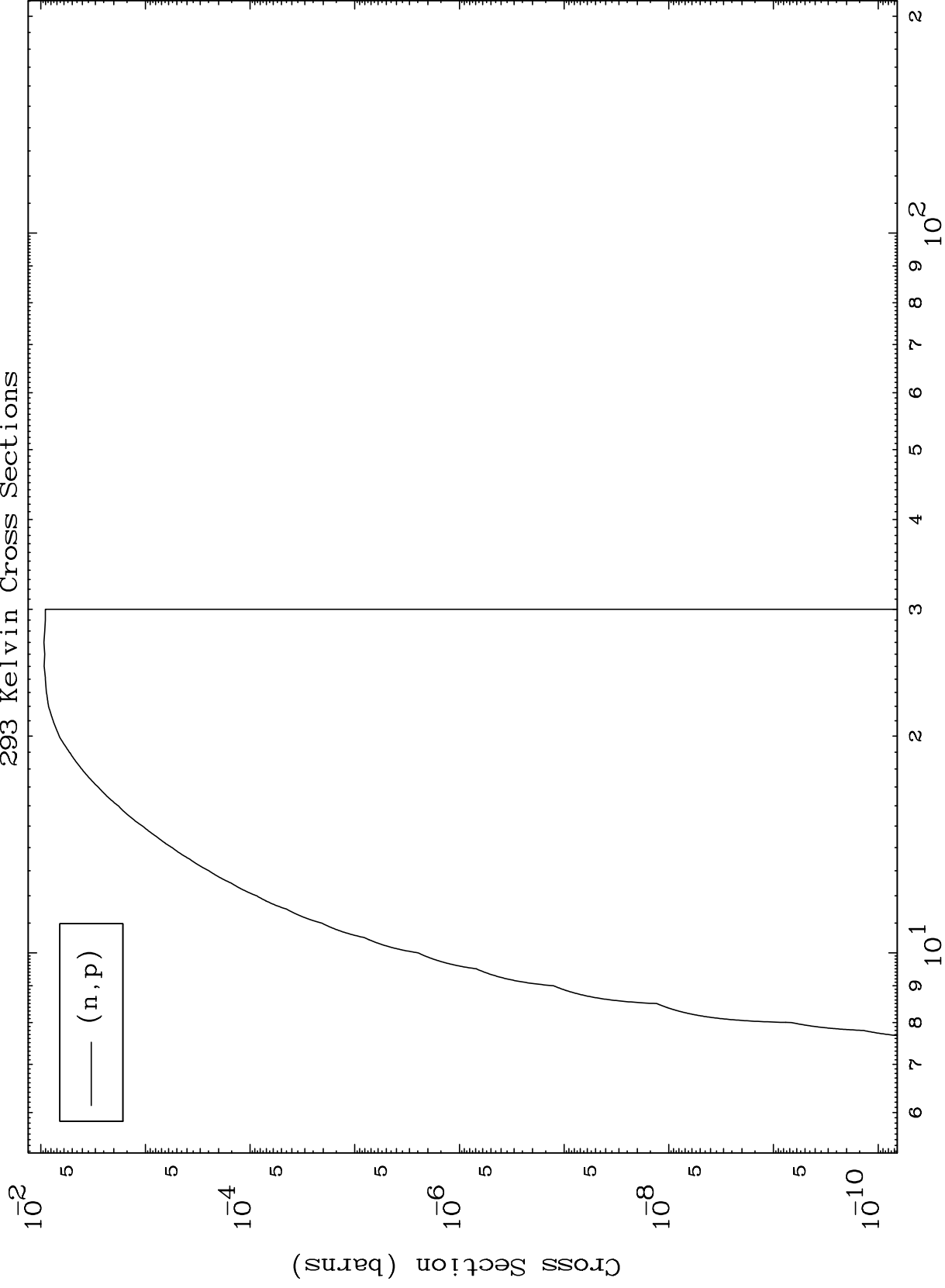
293 Kelvin Cross Sections



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(n,p) Levels  
293 Kelvin Cross Sections

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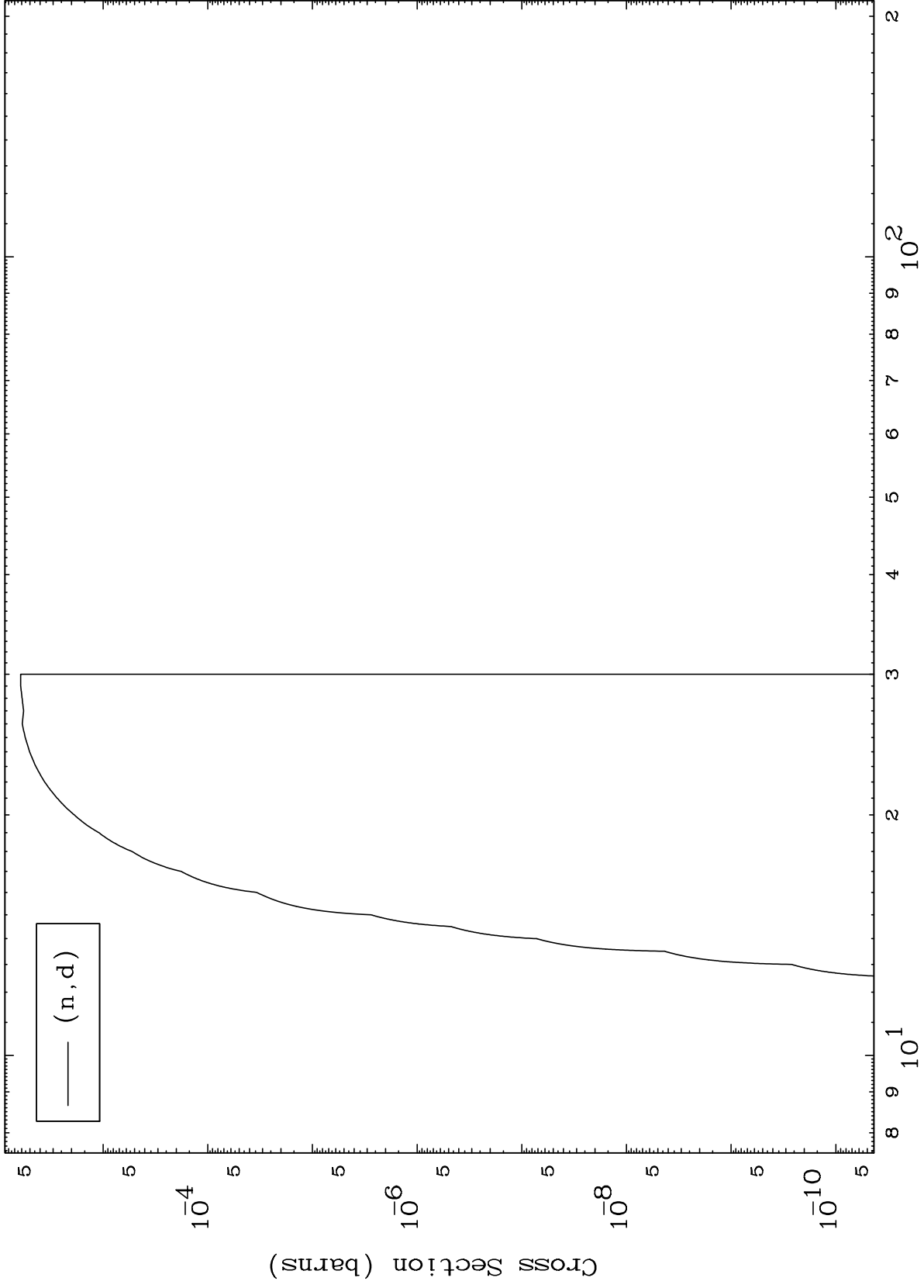
Incident Energy (MeV)

49-In-127

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(n,d) Levels  
293 Kelvin Cross Sections

49-In-127



49-In-127

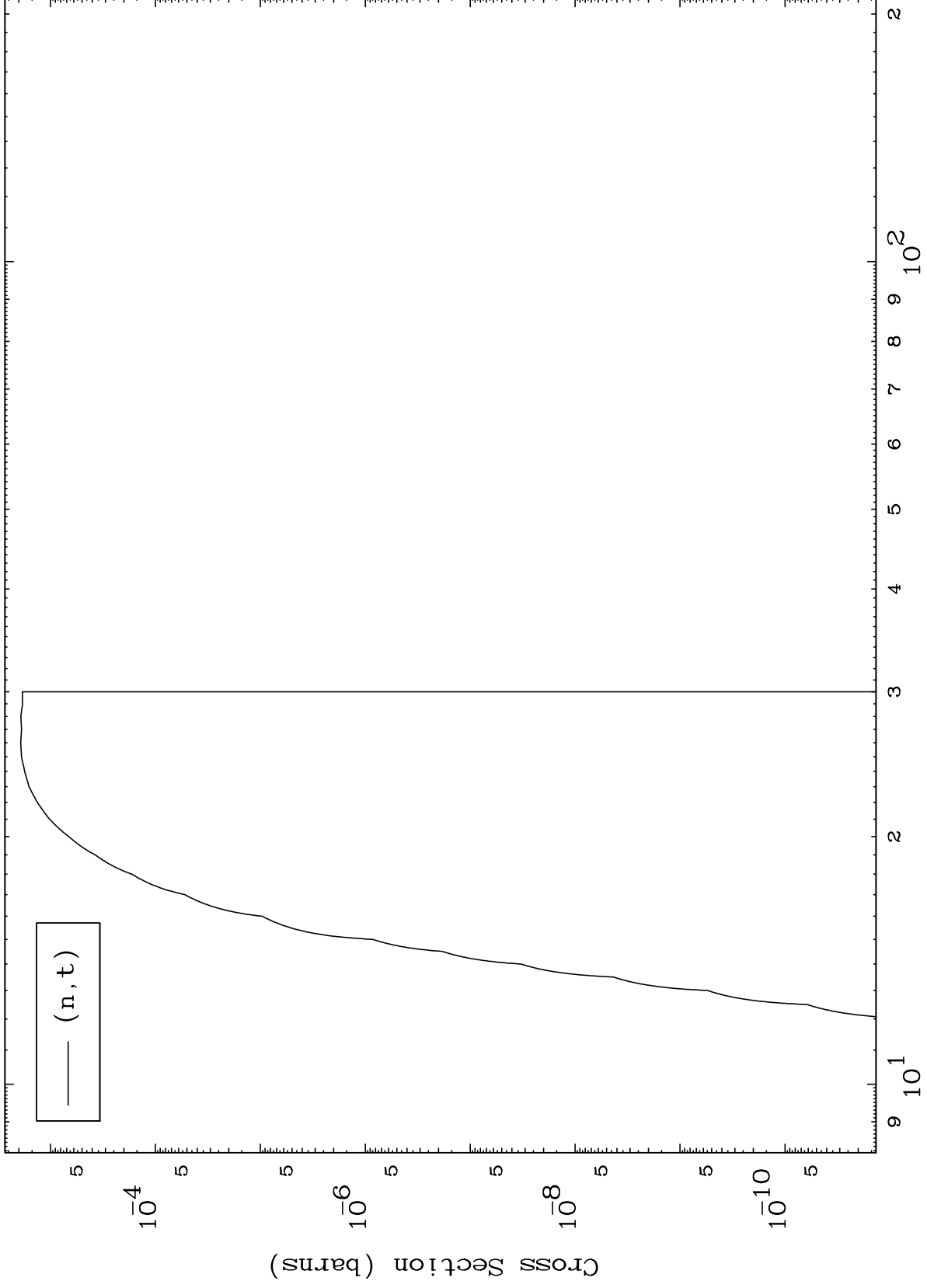
Incident Energy (MeV)

10

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(n,t) Levels  
293 Kelvin Cross Sections

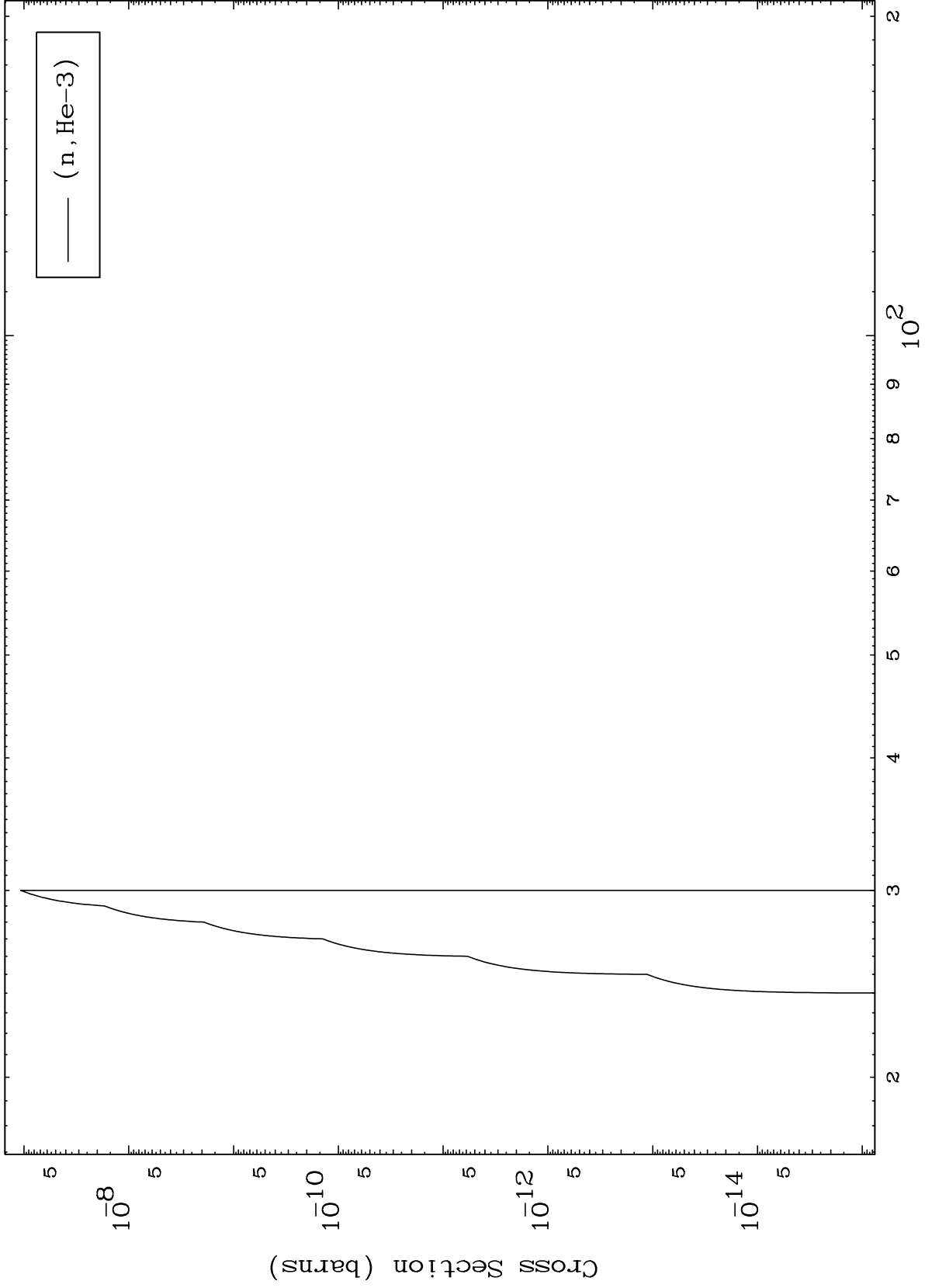
49-In-127



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Incident Energy (MeV)

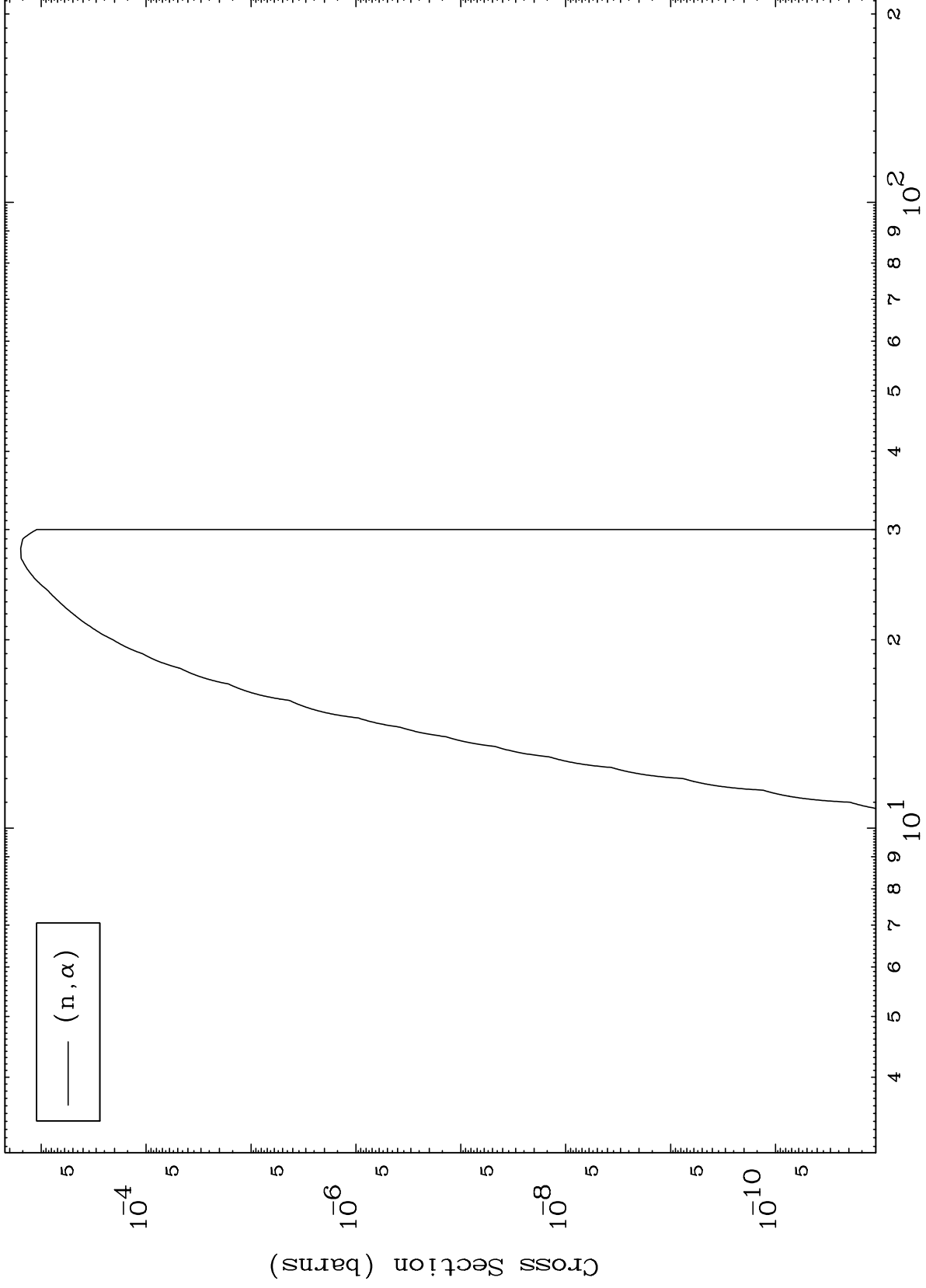
49-In-127

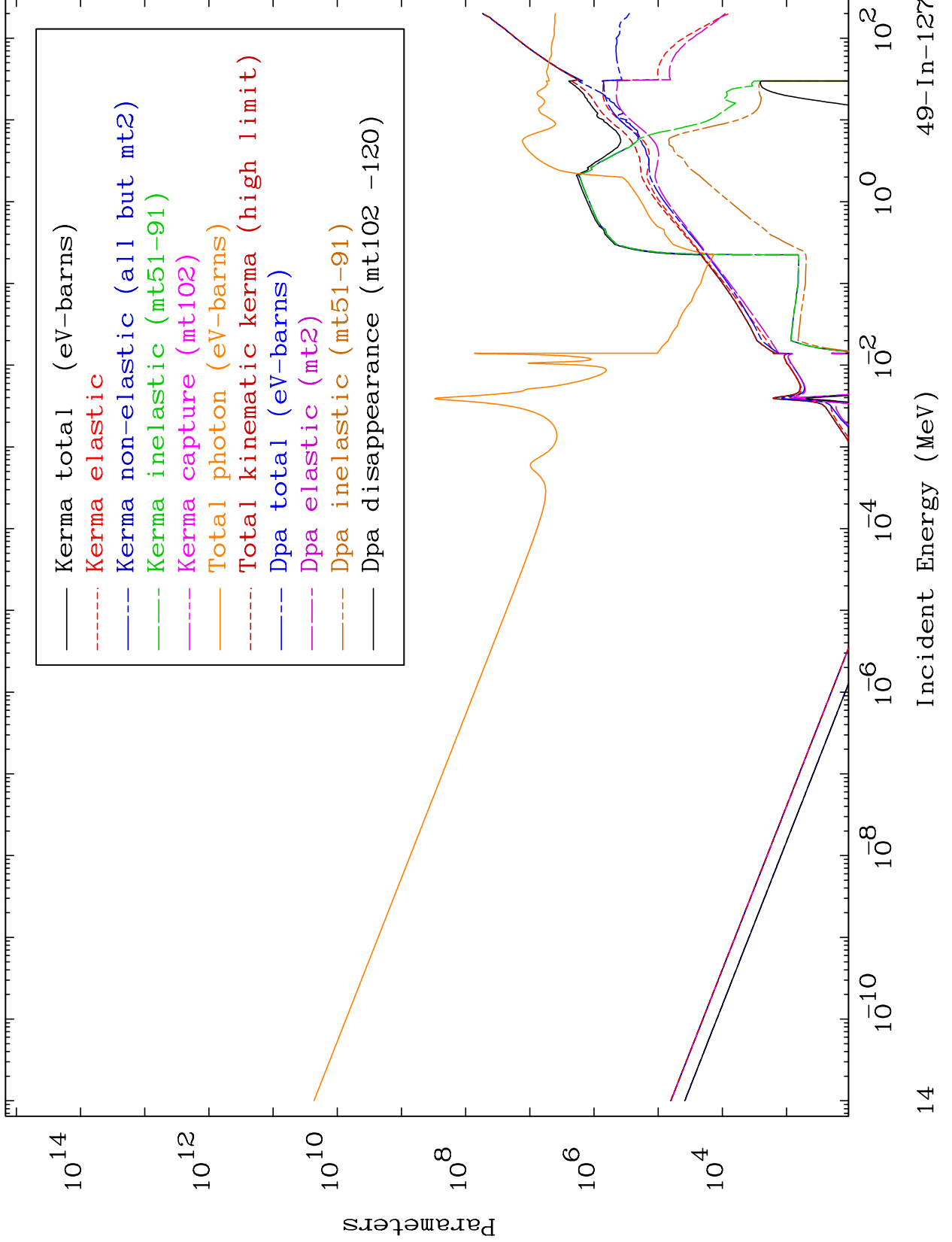


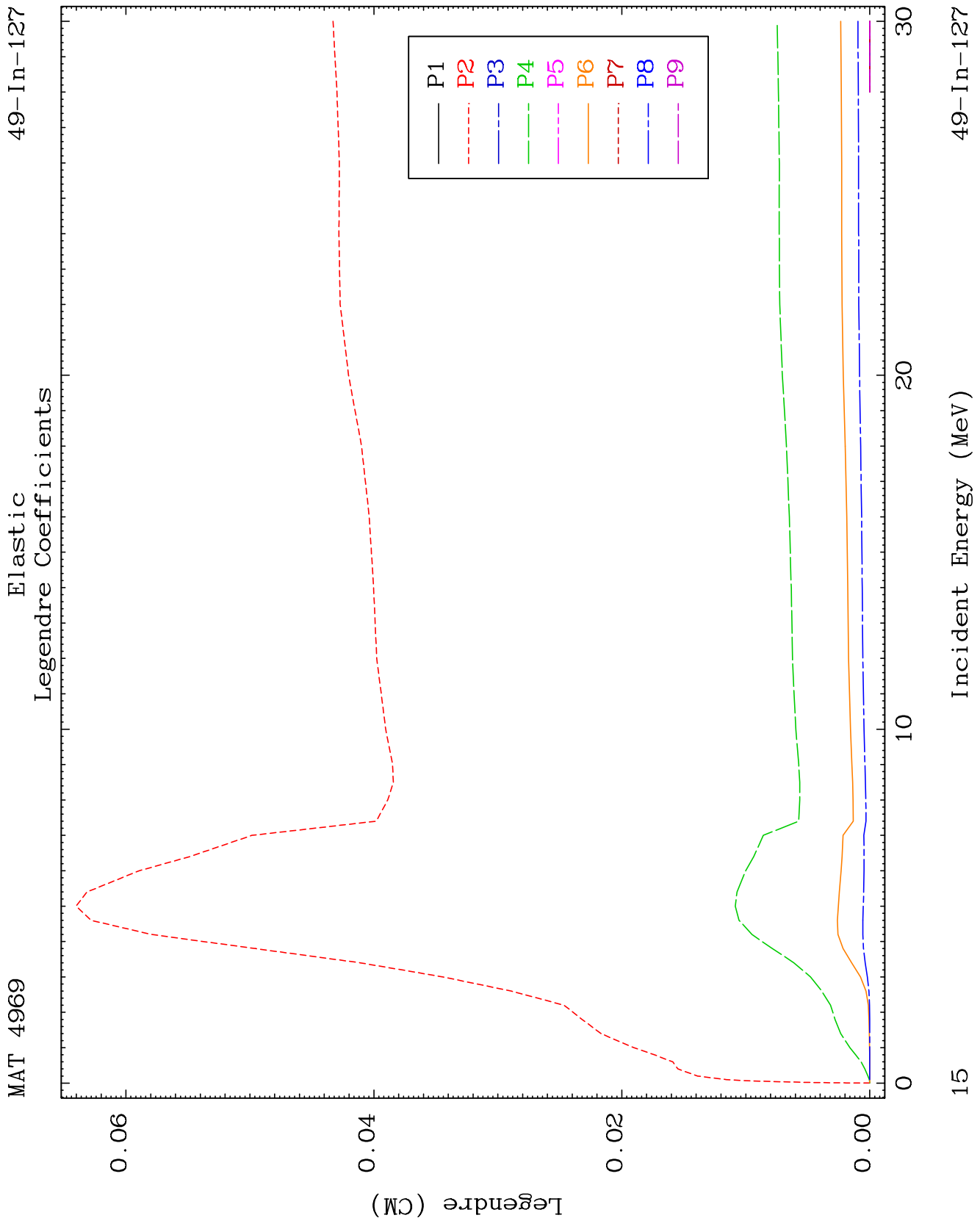
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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

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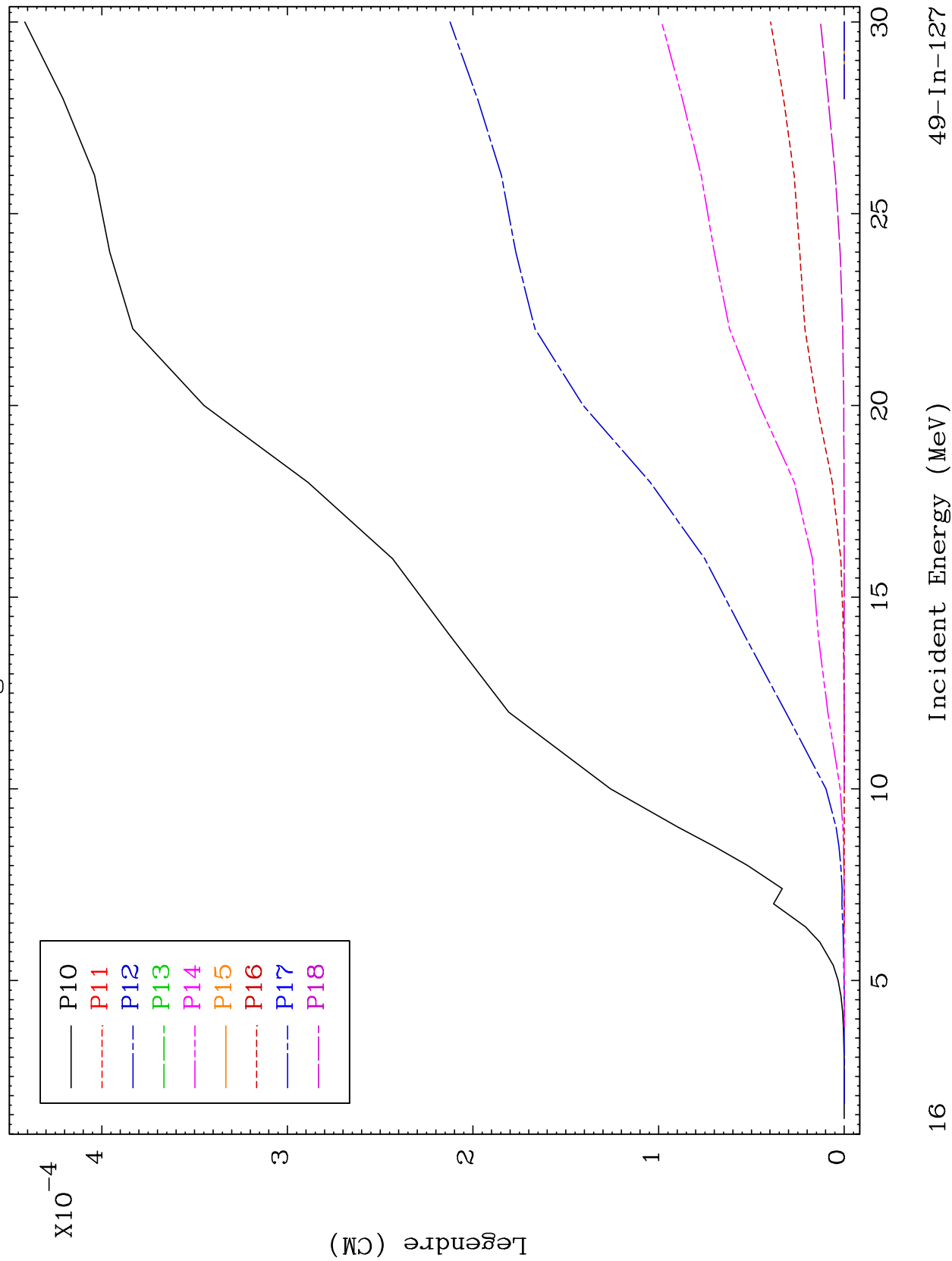




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Elastic Legendre Coefficients

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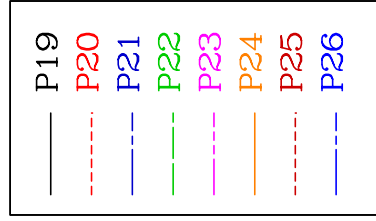
16

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Elastic  
Legendre Coefficients

49-In-127



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

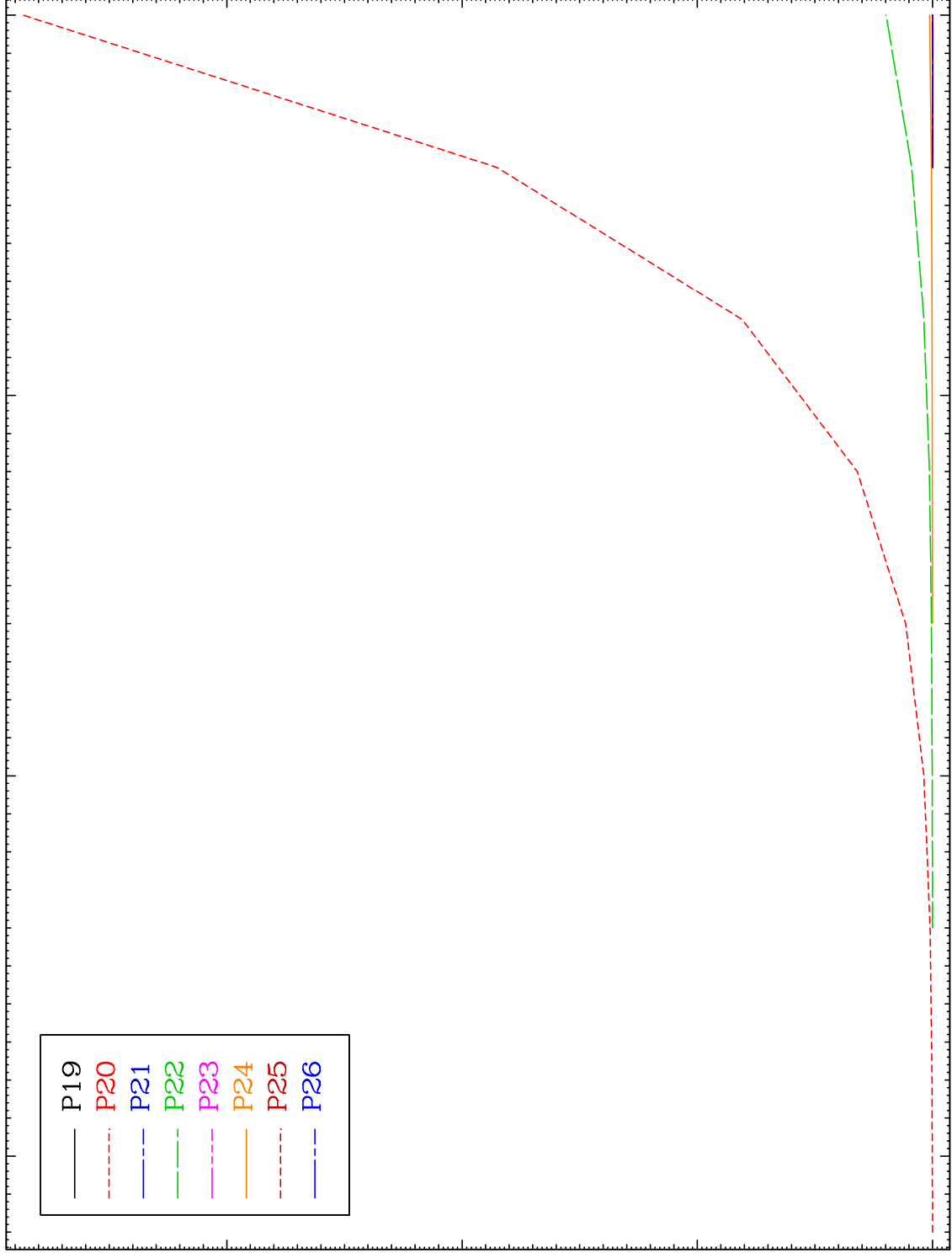
25

30

17

Incident Energy (MeV)

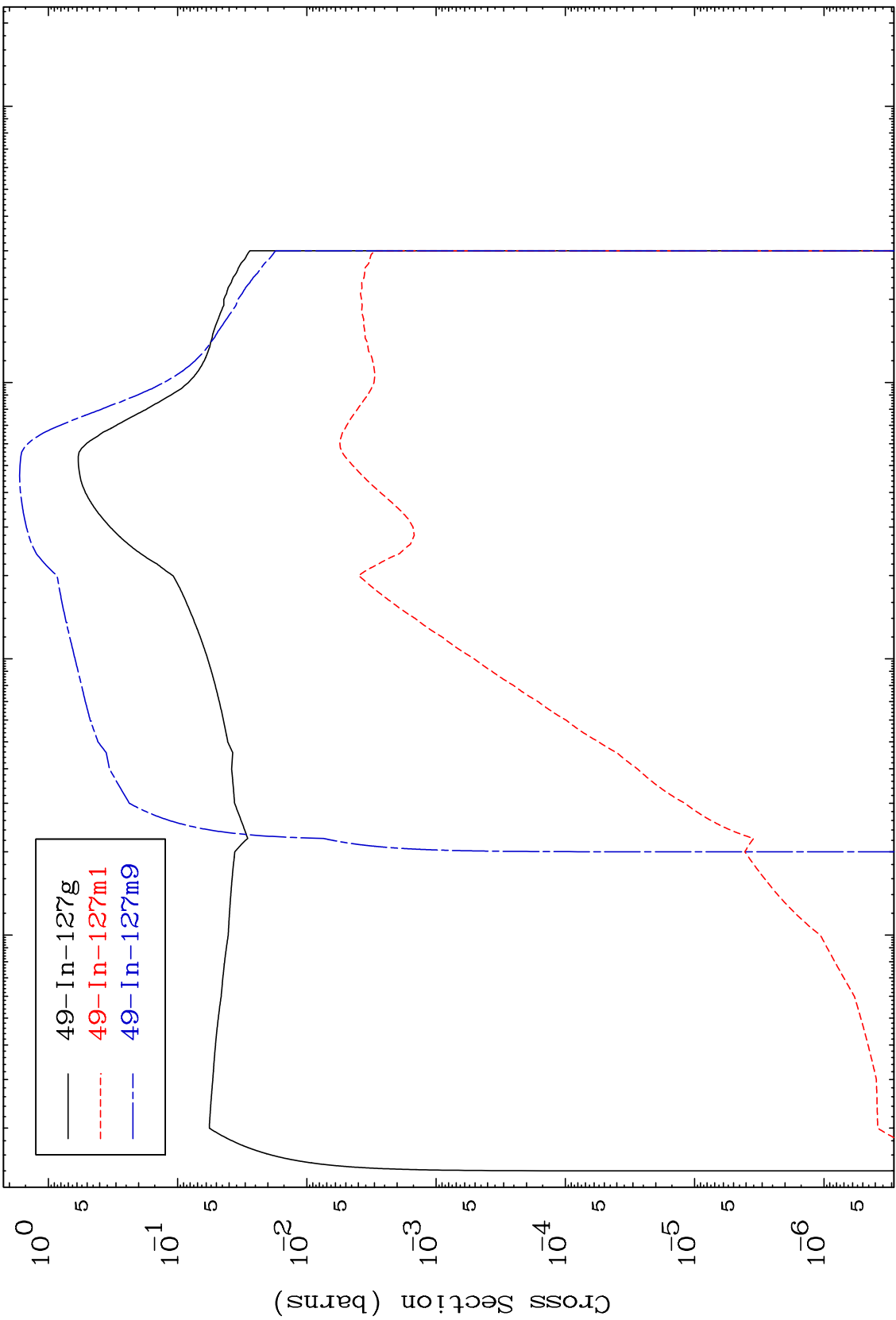
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49-In-127

Inelastic  
Radionuclide Production Cross Section



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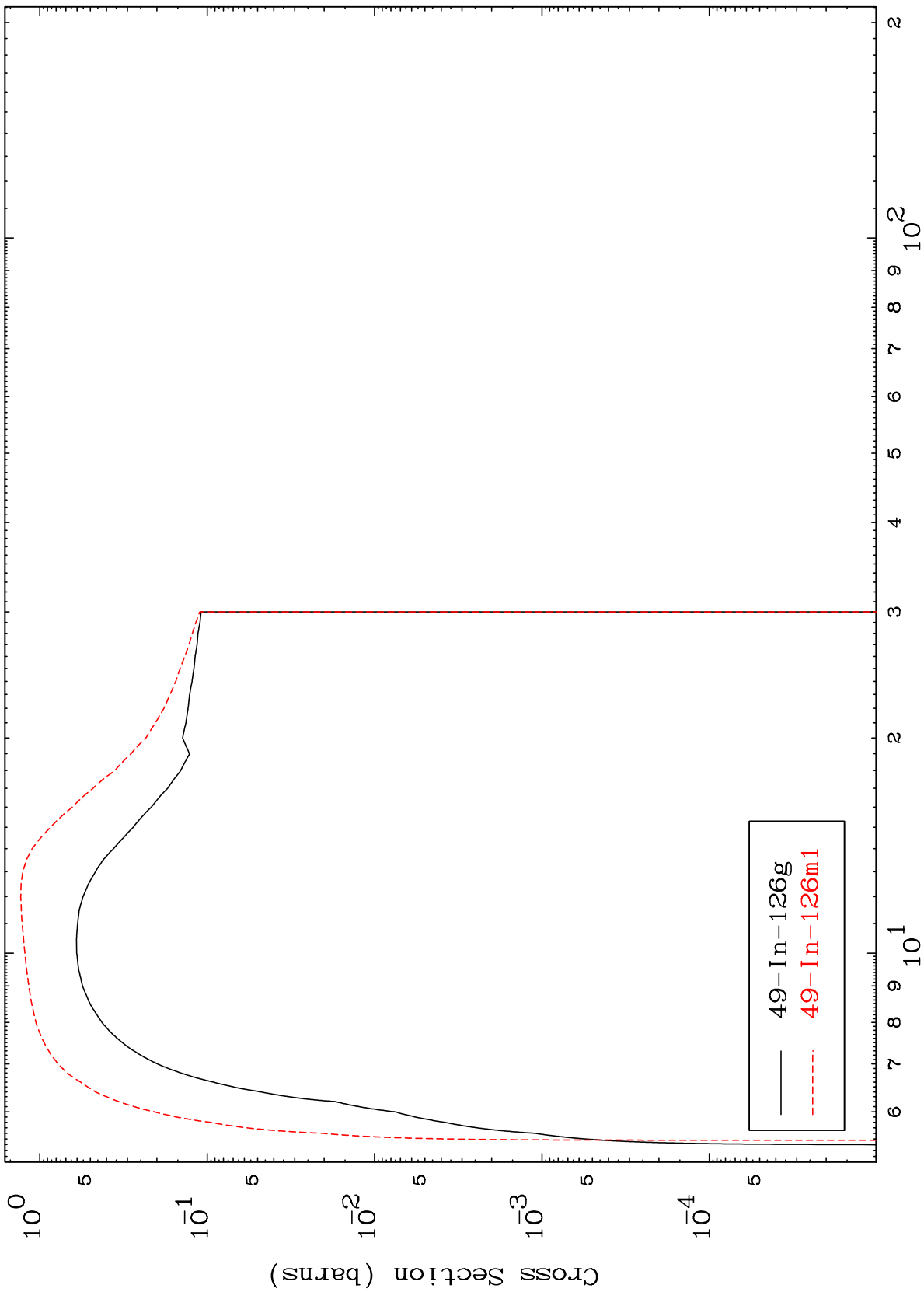
49-In-127

Incident Energy (MeV)

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49-In-127

Radionuclide Production Cross Section



19

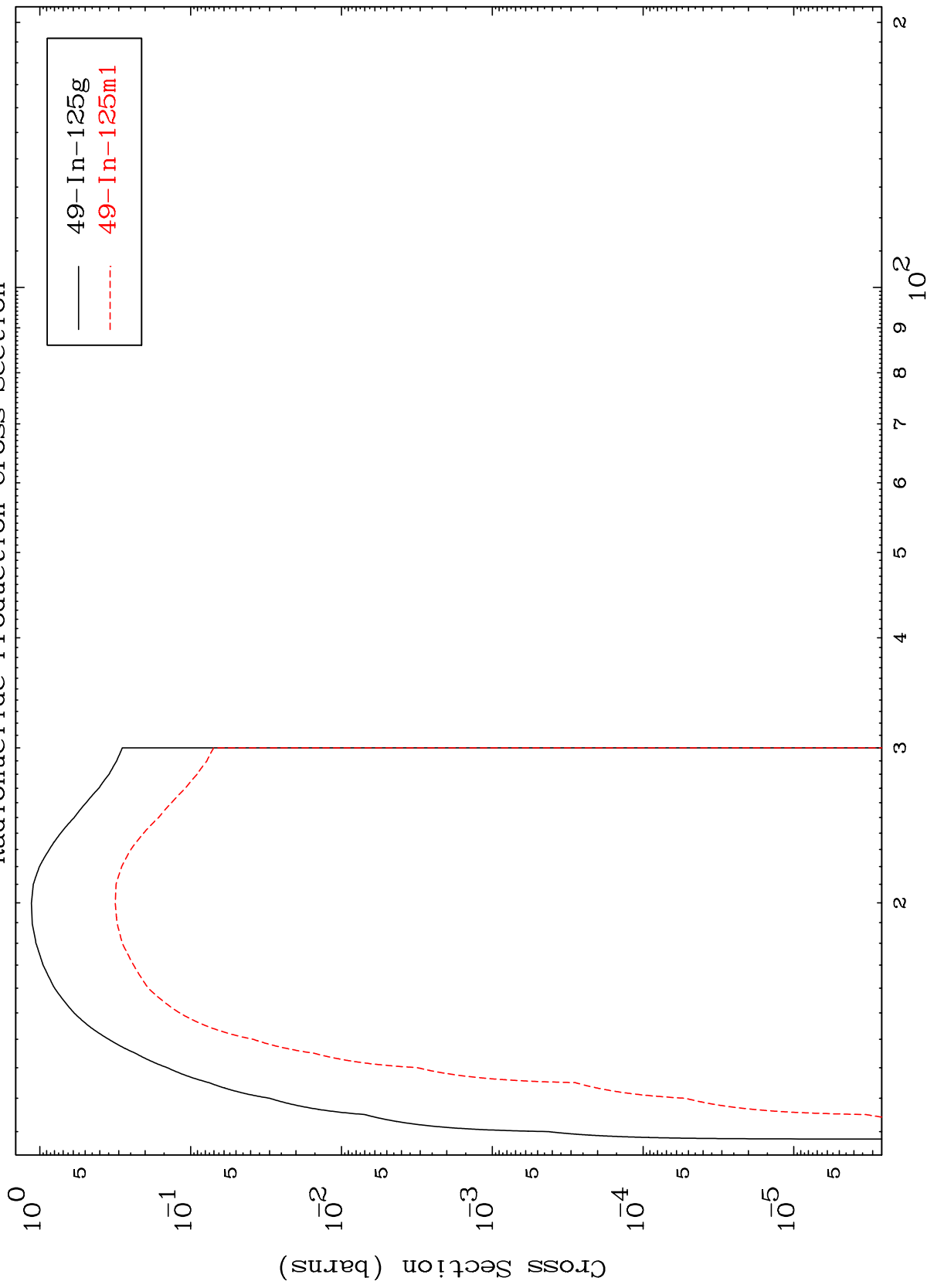
Incident Energy (MeV)

49-In-127

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49-In-127

(n,3n)  
Radionuclide Production Cross Section



20

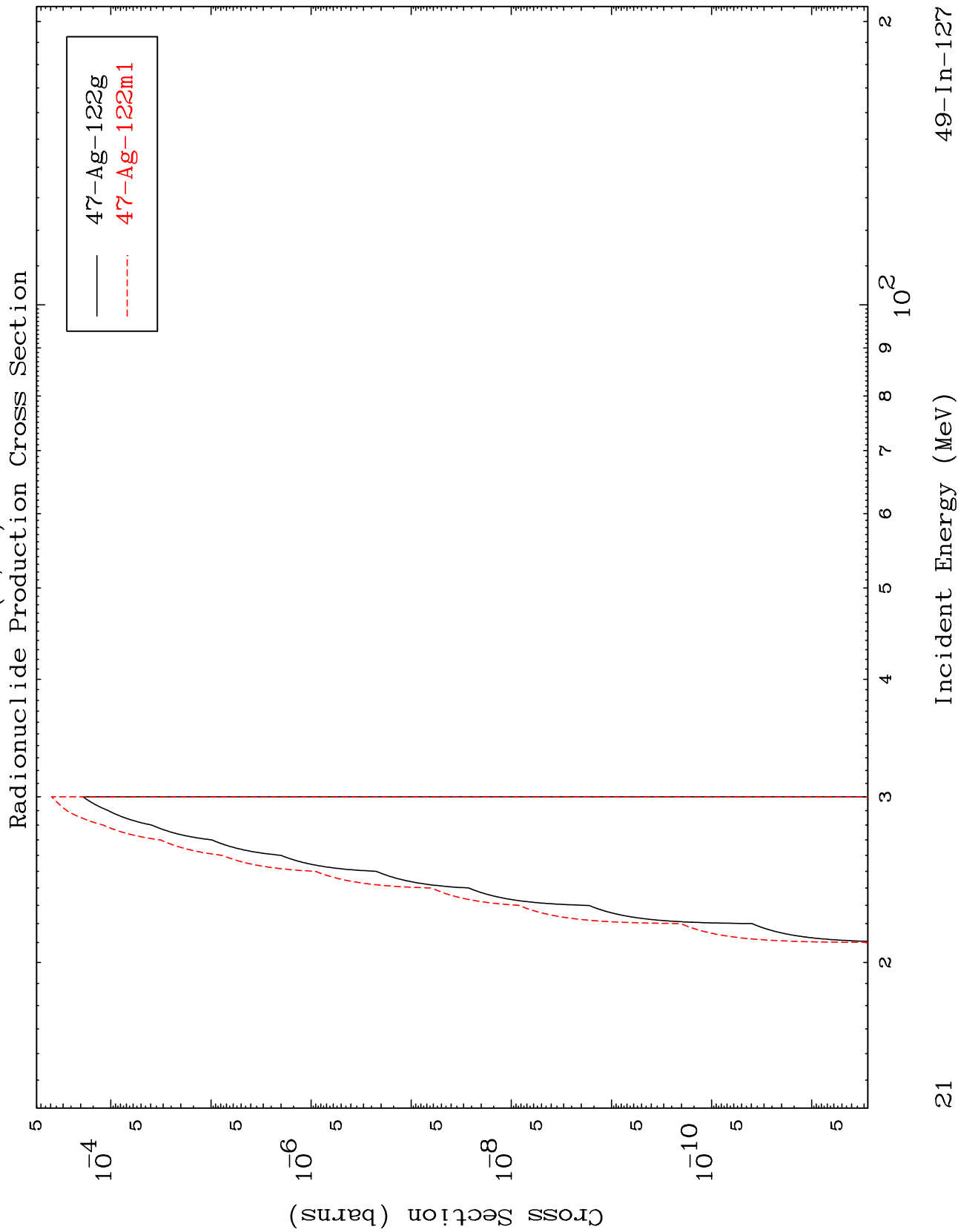
Incident Energy (MeV)

49-In-127

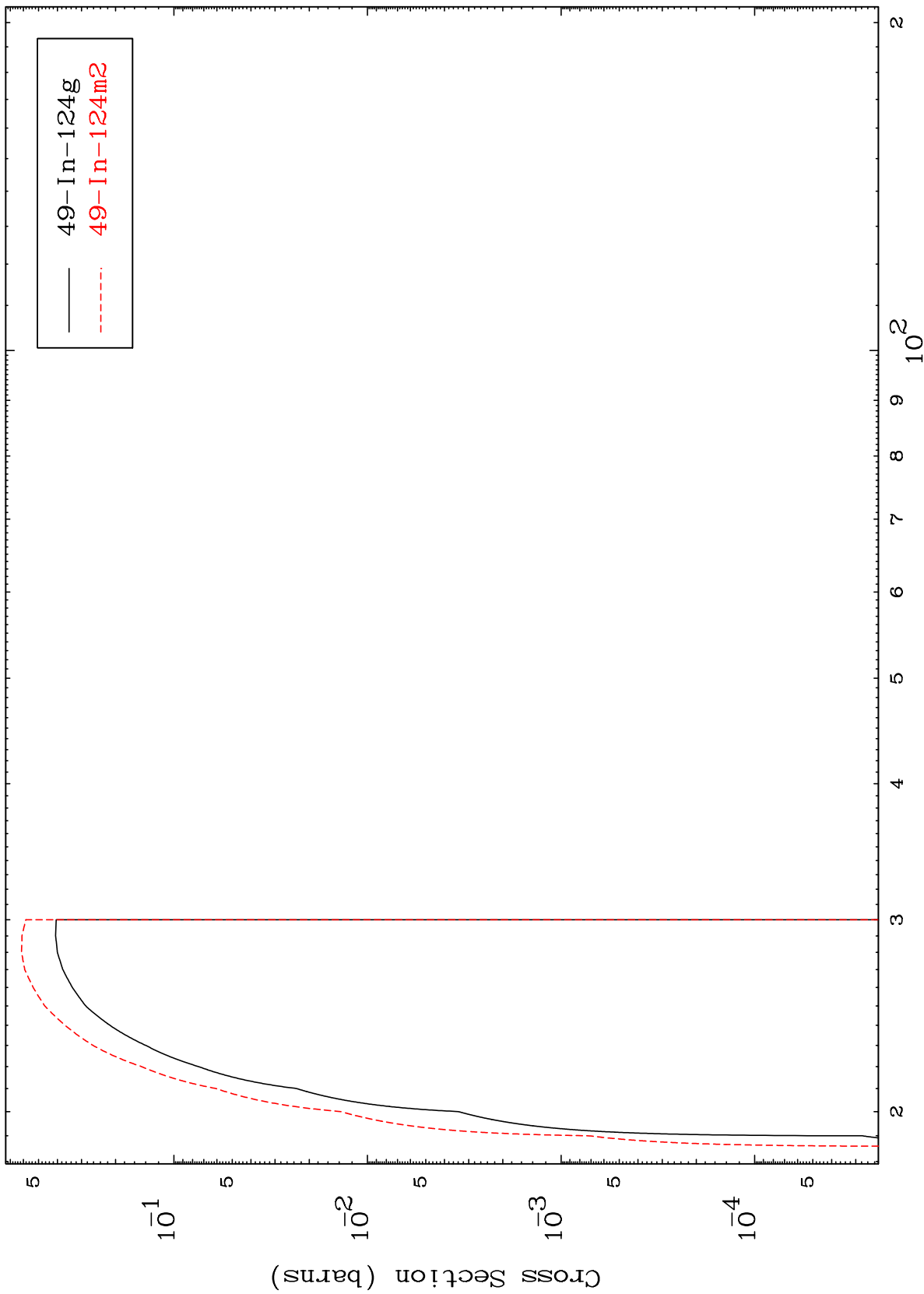
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(n,2n)  $\alpha$

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(n,4n)  
Radionuclide Production Cross Section

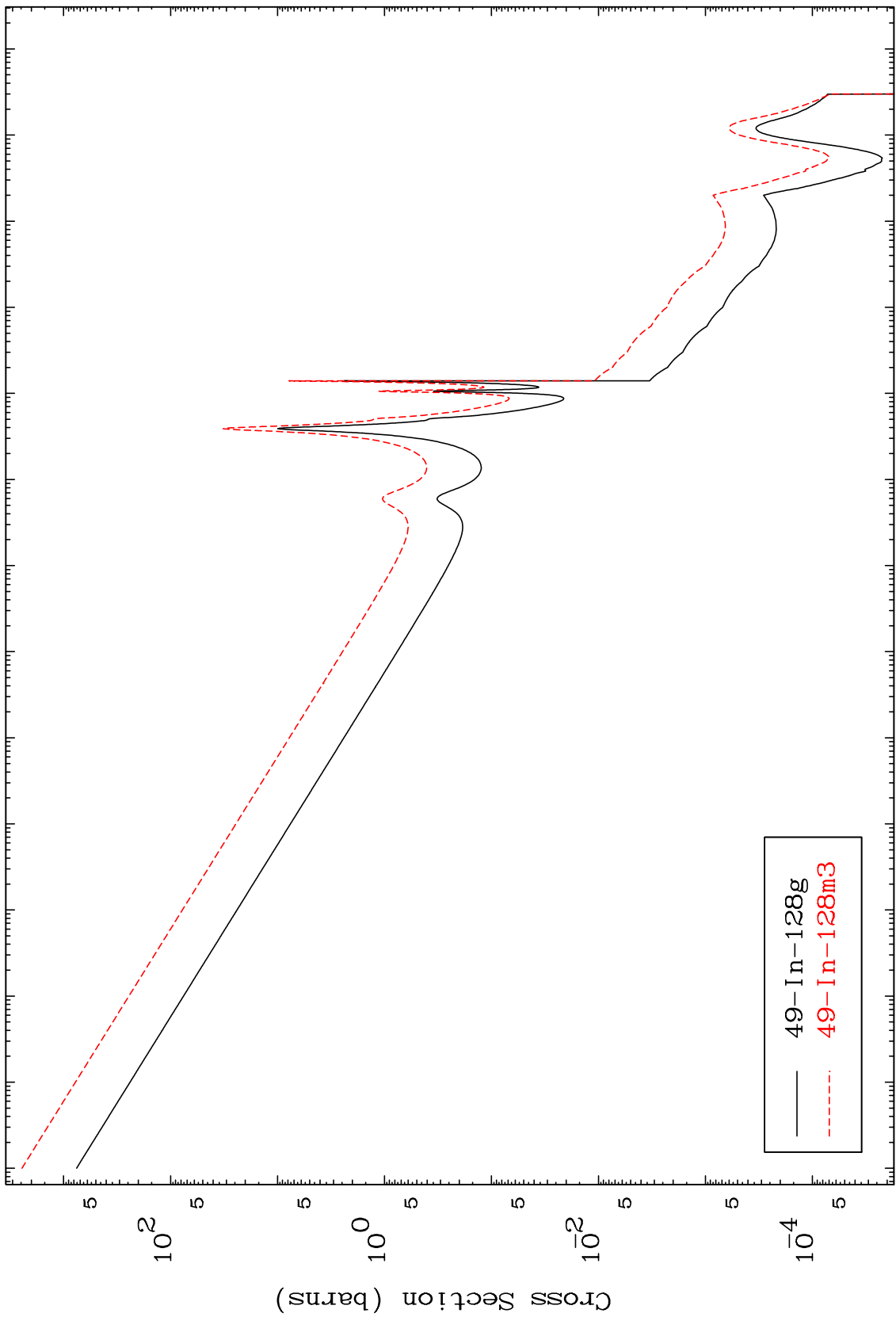


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Radionuclide Production Cross Section

(n,  $\gamma$ )



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10<sup>2</sup>

10<sup>0</sup>

10<sup>-2</sup>

10<sup>-4</sup>

Incident Energy (MeV)

49-In-127

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